Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
Office Action Summary	09/768,086	MCKENZIE ET AL.
	Examiner	Art Unit	
	Benjamin R. Bruckart	2155	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) FROM
THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
   Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>*26 November 2004*</u>.

2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is
   closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1,3-18, 20-35 and 37-51* is/are pending in the application.

   4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1,6,7,11-14 and 17* is/are rejected.

7)☒ Claim(s) *3-5; 8-10; 15-16; 20-22; 25-27; 32-33; 37-39; 42-44; and 49-50* is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☒ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

   Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

   Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

   a)☐ All   b)☐ Some * c)☐ None of:

   1.☐ Certified copies of the priority documents have been received.

   2.☐ Certified copies of the priority documents have been received in Application No. _____.

   3.☐ Copies of the certified copies of the priority documents have been received in this National Stage
      application from the International Bureau (PCT Rule 17.2(a)).

   * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
   Paper No(s)/Mail Date _____.

4) ☐ Interview Summary (PTO-413)
   Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

Detailed Action

Status of Claims:

Claims 1, 3-18, 20-35 and 37-51 are pending in this Office Action.

Claims 2, 19 and 36 have been cancelled.

Claims 1, 6-7, 11-12, 14; 18, 20; 23-24; 28-31; 35; 40-41; 45-48; 51 are rejected.

Claims 3-5; 8-10; 15-16; 20-22; 25-27; 32-33; 37-39; 42-44; and 49-50 are objected to.

Response to Arguments

Applicant's arguments filed in the amendment filed 11/26/04, have been considered but

are moot in view of the new ground(s) of rejection.

Specification

The disclosure is objected to because of the following informalities: page 5, 4th paragraph

starting with various "embodiments of the present invention" has a penned in alteration to the

line about the figures.

Appropriate correction is required.

Applicant's invention as claimed:

**Claims 1, 18, 35; 6-7, 23-24, 40-41; 11-12, 28-29, 45-46; 14, 31, 48 are rejected under
35 U.S.C. 103(a) as being unpatentable by U.S. Patent No. 5,864,865 issued to Lakis in view
of U.S. Patent No. 5,651,006 issued to Fujino.**

Regarding claim 1, a method of determining Simple Network Management Protocol (SNMP)
object identifiers in a Management Information Base (MIB) file (Lakis: col. 1, lines 20-29) that
identify Internet Protocol (IP) addresses (Fujino: col. 9, lines 25-48; col. 19, lines 7-14),
comprising the steps of:

creating an intermediate file that is a representation of the MIB file containing attribute specific information including the SNMP object identifier for each attribute (Lakis: col. 3, lines 1-5; document file);

determining all the SNMP object identifiers contained in the intermediate file that identify relevant attribute types (Lakis: col. 3, lines 1-5; col. 6, lines 1-12); and

generating an output file containing the SNMP object identifiers determined to identify the relevant attribute types (Lakis: col. 10, lines 38-42; .c and .h files; col. 6, lines 61-65), wherein the relevant attribute types include an IP address type attribute (Fujino: col. 9, lines 25-48; col. 19, lines 7-14) and/or a table-based attribute that is pointed to by an IP address (Fujino: col. 9, lines 25-48; col. 19, lines 7-14).

The Lakis reference does not explicitly state a plurality of IP addresses.

The Fujino reference teaches determining if a table-based attribute is pointed to by a plurality of IP addresses (Fujino: col. 9, lines 25-48); and

The Fujino reference further teaches the system manages a large-scale communications network with low traffic and at low cost (Fujino: col. 2, lines 54-59).

Therefore it would have been obvious at the time of the invention to one of ordinary skill in the art to create the method of determining Simple Network Management Protocol (SNMP) object identifiers in a Management Information Base (MIB) file that identify Internet Protocol (IP) addresses as taught by LeBlanc while employing table-based attributes as taught by Fujino in order to manage the communications network with low traffic and at low cost (Fujino: col. 2, lines 54-59).

Claim 6-7, 11-12, 14 are rejected under the same rationale given above. In the rejections set fourth, the examiner will address the additional limitations and point to the relevant teachings of Lakis and Fujino et al.

Regarding claim 6, the method of claim 1, wherein the intermediate file further contains:

an indication of whether each attribute is a scalar attribute or a table-based attribute (Lakis: col. 4, lines 38-51); and

an indication of the Abstract Syntax Notation One (ASN.1) of each attribute (Lakis: col. 1, lines 54-58).

Regarding claim 7, the method of claim 6, wherein the ASN. 1 attribute type is at least one of IpAddress, NetworkAddress, and CiscoNetworkAddress (Fujino: col. 9, lines 25-48; col. 19, lines 7-14).

Regarding claim 11, the method of claim 1, wherein the MIB file is a Structure of Management Information (SMI) vertsion 1 style MIB file (Fujimo: col. 1, lines 33-37).

Regarding claim 12, the method of claim 1, wherein the MIB file is a Structure of Management Information (SMI) version 2 style MIB file (Fujimo: col. 2, lines 8-17).

Regarding claim 14, the method of claim 1 further comprising the step of receiving an argument that identifies the MIB file (Lakis: col. 6, line 14; Fig. 1, tag 31), wherein the argument is at least one of a single file name and a list of file names (Lakis: col. 6, line 14; Fig. 1, tag 31).

Claim 13, 30 and 47 are rejected under 35 U.S.C. 103(a) as being unpatentable by U.S. Patent No. 5,864,865 issued to Lakis in view of U.S. Patent No. 5,651,006 issued to Fujino in further view of U.S. Publication 2001/0052006 by Barker et al.

Regarding claim 13,
     The Lakis and Fujimo references teach the method of claim 1, determining Simple Network Management Protocol (SNMP) object identifiers in a Management Information Base (MIB) file that identify Internet Protocol (IP) addresses with attributes.
     The Lakis and Fujimo references do not explicitly state packets with attributes.
     The Barker reference teaches wherein the attributes are located in an SNMP data packet (Barker: page 19, para 493-496).
     The Barker reference further teaches the invention overcomes deficiencies of known network element management systems and provides distributed network management for enhanced efficiency and convenience (Barker: page 1, para 9).
     Therefore it would have been obvious at the time of the invention to one of ordinary skill in the art to create the method of determining Simple Network Management Protocol (SNMP) object identifiers in a Management Information Base (MIB) file that identify Internet Protocol (IP) addresses as taught by Lakis and Fujimo while employing the attributes located in SNMP data packets as taught by Barker in order to overcome deficiencies of known network element management systems and provides distributed network management for enhanced efficiency and convenience (Barker: page 1, para 9).

Claims 17, 34, and 51 are rejected under 35 U.S.C. 103(a) as being unpatentable by U.S. Patent No. 5,864,865 issued to Lakis in view of U.S. Patent No. 5,651,006 issued to Fujino in further view of U.S. Patent No 6,484,257 by Ellis.

Regarding claim 17,
     The Lakis and Fujimo references teach the method of claim 1, with an output file.
     The Lakis and Fujimo references do not explicitly state CNAT.
     The Ellis reference teaches an output file is consumable by a Comprehensive Network Address Translator (CNAT) product (Ellis: col. 5, lines 6-9; col. 6, lines 14-25).
     The Ellis reference further teaches the invention offers scaleable end to end transmission in a distributed network while increasing processing power which eliminates latency as bandwidth increases (Ellis: col. 4, lines 40-65).
     Therefore it would have been obvious at the time of the invention to one of ordinary skill in the art to create the method of determining Simple Network Management Protocol (SNMP) object identifiers in a Management Information Base (MIB) file that identify Internet Protocol (IP) addresses as taught by Lakis and Fujimo while employing loading a file for NAT as taught

by Ellis in order to offer scaleable end to end transmission in a distributed network while increasing processing power which eliminates latency as bandwidth increases (Ellis: col. 4, lines 40-65).

While the examiner acknowledges the differences between a method, a system and a computer program product, the examiner equates a system to the hardware in which the computer program product which is the code implements the method. Because the limitations are similar they are rejected under the same rationale as indicated in the table below.

1	18	35
3	20	37
4	21	38
5	22	39
6	23	40
7	24	41
8	25	42
9	26	43
10	27	44
11	28	45
12	29	46
13	30	47
14	31	48
15	32	49
16	33	50
17	34	51

Allowable Subject Matter

Claims 3-5, 8-10, and 15-16 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. Accordingly, claims 20-22; 25-27; 32-33; 37-39; 42-44; and 49-50 are objected to.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Benjamin R Bruckart whose telephone number 571-272-3982. The examiner can normally be reached on 8:00-5:30 PM with every other Friday off.
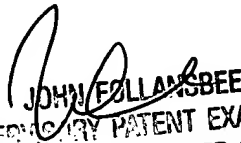
If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Hosain Alam can be reached on 571-272-3978. The fax phone numbers for the

organization where this application or proceeding is assigned are (703) 872-9306 for regular

communications and After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding

should be directed to the receptionist whose telephone number is 571-272-3982.

Benjamin R Bruckart
Examiner
Art Unit 2155

brb

JOHN FOLLANSBEE
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100